

## CLAIMS

1. A network device coupled to a first network and to a directory server, the network device comprising:

5 information identifying the network device on the first network; and  
a registration processor adapted to provide the identifying information to register the network device on the directory server.

2. The apparatus of claim 1, wherein the network device comprises one of a  
10 computer, personal digital assistant, pager, cellular telephone, handheld messaging device, facsimile machine, copier, printer, telephone, security camera, household appliance, vending machine, kiosk, or digital camera.

3. The apparatus of claim 1, wherein the network device comprises one of an  
15 inkjet printer, laser printer, wide format printer, or dot matrix printer.

4. The apparatus of claim 1, wherein the network device comprises an Internet protocol telephone.

20 5. The apparatus of claim 1, wherein the network device further comprises a network connection for coupling to the first network.

6. The apparatus of claim 1, wherein the first network comprises a local area network.

25 7. The apparatus of claim 1, wherein the first network comprises a plurality of interconnected networks.

8. The apparatus of claim 1, wherein the first network is coupled to a second  
30 network that comprises any of a wide area network, global network, public network, or the Internet.

9. The apparatus of claim 1, wherein the first network comprises a firewall, and the network device is located within the firewall.

10. The apparatus of claim 1, wherein the first network comprises a firewall, and the directory server is located outside the firewall.

5 11. The apparatus of claim 1, wherein the identifying information comprises an address.

12. The apparatus of claim 1, wherein the identifying information comprises an address of the network device on the first network.

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13. The apparatus of claim 1, wherein the first network is coupled to a second network, and the identifying information comprises an address of the first network on the second network.

15 14. A network device coupled to a first network and to a directory server, the network device comprising:

information identifying the network device on the first network; and  
a query processor adapted to request information regarding the first network from the directory server.

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15. The apparatus of claim 14, wherein the network device comprises one of a computer, personal digital assistant, pager, cellular telephone, handheld messaging device, facsimile machine, copier, printer, telephone, security camera, household appliance, vending machine, kiosk, or digital camera.

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16. The apparatus of claim 14, wherein the network device comprises one of an inkjet printer, laser printer, wide format printer, or dot matrix printer.

17. The apparatus of claim 14, wherein the network device comprises an  
30 Internet protocol telephone.

18. The apparatus of claim 14, wherein the network device further comprises a network connection for coupling to the first network.

19. The apparatus of claim 14, wherein the first network comprises a local area network.

20. The apparatus of claim 14, wherein the first network comprises a plurality  
5 of interconnected networks.

21. The apparatus of claim 14, wherein the first network is coupled to a second  
network that comprises any of a wide area network, global network, public network, or  
the Internet.  
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22. The apparatus of claim 14, wherein the first network comprises a firewall,  
and the network device is located within the firewall.

23. The apparatus of claim 14, wherein the first network comprises a firewall,  
15 and the directory server is located outside the firewall.

24. The apparatus of claim 14, wherein the information comprises an address.

25. The apparatus of claim 14, wherein the information comprises an address of  
20 a second network device on the first network.

26. The apparatus of claim 14, wherein the first network is coupled to a second  
network, and the information comprises an address of the first network on the second  
network.  
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